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| First Named Inventor | Frank L. Hall |
| Group Art Unit | 1725 |
| Examiner Name | S. Heinrich |
| Attorney Docket Number | 2269-4718.1US (00-0316.01/US) |

U.S. PATENT DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|------------------------|--------------------------|--|--------------------------------|--|---|
| | | Number - Kind Code ² (if known) | | | |
| SMH | | US-4,746,390 | 05/24/1988 | Badalec et al. | |
| | | US- 5,254,501 | 10/19/1993 | Tung et al. | |
| | | US- 5,364,493 | 11/15/1994 | Hunter, Jr. et al. | |
| | | US- 5,504,303 | 04/02/1996 | Nagy | |
| | | US- 5,569,399 | 10/29/1996 | Penney et al. | |
| | | US- 5,635,671 | 06/03/1997 | Freyman et al. | |
| | | US- 5,711,698 | 01/27/1998 | Chakraborty et al. | |
| | | US- 5,852,870 | 12/29/1998 | Freyman et al. | |
| | | US- 5,886,398 | 03/23/1999 | Low et al. | |
| | | US- 6,025,256 | 02/15/2000 | Swenson et al. | |
| | | US- 2003/0003688 A1 | 01/02/2003 | Tandy et al. | |
| | | US- 6,572,606 B2 | 06/03/2003 | Kliwer et al. | |
| | | US- 6,670,222 B1 | 12/30/2003 | Brodsky | |
| | | US- 6,710,265 B2 | 03/23/2004 | Owens | |
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FOREIGN PATENT DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|------------------------|--------------------------|---|--------------------------------|---|---|----------------|
| | | Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | | | | |
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Examiner
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Date
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